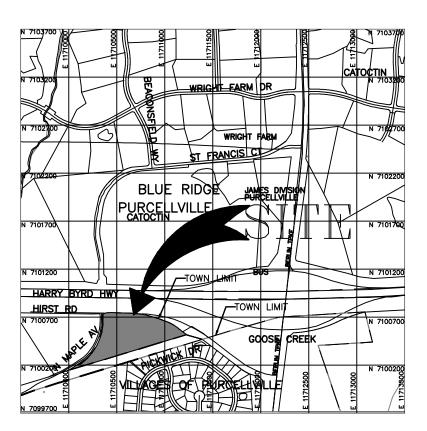
EPARED BY:JT		FIRM: Alpha	BOND ESTIMA	TELL	=	DATE: 8-16-0	
ITEM MOBILIZATION	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLE
GENERAL Mobilization	EA	\$6,250.00	1	\$6,250.00			
Field Office Job Sign	EA EA	\$3,000.00 \$1,150.00		\$3,000.00 \$1,150.00			
PLANTING SHRUBS 18"	EA	\$29.88	390.00	\$11,653.20			
TREES 6' - 8' MISCELLANEOUS SITE	EA	\$260.00	271.00	\$70,460.00			
IMPROVEMENTS Retaining Walls							
Concrete Gravity RW-2 (H=6 FT)	LF	\$254.38	65.00	\$16,534.70			
WATER MAIN 8" DIP Water Line	LF	\$39.22	1093.91	\$42,903.15			
Sewer (Force Main)	LF	\$1.50		\$2,708.51			
Pump Station STORM DRAINAGE	EA	\$10,000.00	1	\$10,000.00			
STORM SEWER							
NOTE: All pipe unit prices inclu 15" Pipe	de trench	, excavation,	bedding, pipe	, and backfill			
0' – 10' Cut 10' – 16'	LF LF	\$40.10 \$71.21	494.72 34.85	\$19,838.27 \$2,481.67			
<u>18" Pipe</u> 0' – 10' Cut	LF	\$46.19	83.34	\$3,849.47			
21" Pipe 10' – 16' Cut	LF	\$83.28	232.39	\$19,353.44			
<u>24" Pipe</u> 0' – 10' Cut 10' – 16' Cut	LF LF	\$57.38 \$89.91	480.74 48.00	\$27,584.86 \$4,315.68			
STORM STRUCTURES	Li	Ψ03.91	40.00	\$4,515.00			
END SECTIONS and Section (ES-1), Concrete							
Pipe Size	EA	\$435.00		\$435.00			
24" MANHOLES Standard Precast Manhole	EA	\$728.38	1.00	\$728.38			
Std Frame & Cover (MH-2) 4' ID							
6' Depth Depth below 6'	EA VF	\$2,226.25 \$277.88		\$6,678.75 \$277.88			
Additional Cost (Amounts in rentheses to be added to the							
above unit costs) Heavy Duty Fr/Cover (Add 82)	EA	\$330.13	1.00	\$330.13			
urb Drop Inlet (DI-3B & DI-12) 12"-30" Pipe (Invert Depth							
(H) =0'-8') Inlet Length 4' 6'	EA EA	\$4,133.50 \$4,420.13		\$4,133.50 \$4,420.13			
Curb Drop Inlet (DI-3C) 12"-30" Pipe (Invert Depth	LA	ψ4,420.10	1.00	\$4,420. IS			
(H) =0'-8') Inlet Length 6'	EA	\$3,573.63		\$10,720.89			
8' MISCELLANEOUS INLETS	EA	\$4,097.00	1.00	\$4,097.00			
Standard Yard Inlet (YI-1) 12"-48" Pipe	EΑ	\$4,117.25	4.00	\$16,469.00			
(Invert Depth (H)=0'-8') Inlet Length 4'(No Aprons) Add Yard Inlet Apron	THROAT	\$252.13	4.00	\$1,008.52			
Riprap Dry, Class II, 18"	SY	\$50.34	278.00	\$13,994.52			
STREET CONSTRUCTION ROADS AND PARKING		¥55.61		¥10,00 H 02			
Soil Stabilization ubbase, Aggregated Material	Inches						
Base Type I	SY/Inch Depth	\$1.34	7722.00	\$82,779.84			
Depth (in Inches): Bituminous Concrete	8 SY/Inch						
BM-25.0 Depth (in Inches):	Depth 4	\$4.54	7722.00	\$140,231.52			
IM-19.0A	SY/Inch Depth	\$5.41	7722.00	\$125,328.06			
Depth (in Inches): SM-9.5A	SY/Inch	\$5.41	7722.00	\$83,552.04			
Depth (in Inches): Concrete Curbing	Depth 2						
Concrete Curb & Cutter CG6&7 Curb Cut, CG-12 w/exp. Aggreg	LF EA	\$20.50 \$650.00		\$57,543.50 \$650.00			
Entrances/Driveways Commercial Entrance	EA	\$2,756.25	2.00	\$5,512.50			
Residential Driveway Apron <u>Miscellaneous</u>	EA	\$1,043.75					
einforced Concrete Pad 6" to 8" triping 4" width (VDOT Type B)	SY LF	\$55.00 \$0.85	1240.00	\$1,100.00 \$1,054.00			
Parking Lot Striping Traffic Control Signs	EA EA	\$49.25 \$135.50	31.00	\$2,511.75 \$4,200.50			
Street Lighting, incl pole, brack SIDEWALKS AND TRAILS Sidewalk	EA	\$4,073.75	7.00	\$28,516.25			
Concrete 4" w/WWF, No base MA Processing LOMR/CLOMR	SY EA	\$35.65 \$7,500.00	268.00	\$9,554.20			
As Built (Record Drawings) BMP	EA	\$7,500.00					
4' x 6' Filterra 6'x 8' Filterra	EA EA	\$6,750.00 \$10,000.00		\$13,500.00 \$10,000.00			
Rain Garden Sedimentation Structure	EA EA	\$1,800.00 \$2,000.00	3.00	\$5,400.00 \$6,000.00			
Water Level Control Structure BMP Vegatation	EA	\$2,200.00		\$6,600.00			
12' Trees 2' Shrubs	EA EA	\$556.50 \$38.48		\$7,791.00 \$1,423.76			
SWM/BMP POND SIGNALIZATION	EA EA	See Note 1		\$898,625.57			
Subtotal			TOTAL	, 220,020.01			
			ESTIMATE OF				
			COMPLETED WORK:				
e 1 STORMWATER NAGEMENT/BEST							
NAGEMENT PRACTICES POND ALL REQUIRE A SEPARATE							
'IMATE(ATTACHED) WHEN DWN ON THE PLAN TO INCLUDE,							
F NOT LIMITED TO CAVATION, GRADING, ASTING, CONCRETE, PIPING,							
FLET STRUCTURE, AND OTHER ESSARY COMPONENTS OF THE							
CILITY.							
a 2 SIGMALIZATION SWALL							
e 2 SIGNALIZATION SHALL							
			TOTAL:	\$898,625.57			
SEAL & SIGNATURE OF ENGI	VEFR	+ 20%		\$179,725.11			
THE OF ENGINEERS		1 4070		\$1,078,350.68			
WEAL III OF L		RAND TOTA	L:	4.0007	= \$43,134.03		
		+ INFLATION		4.00%			
S JOHANN A. DOBAK	A \$	BOND		\$1,122,000.00			
No. 22978	Ž						
	~						

PRELIMINARY/FINAL SITE PLAN PURCELLVILLE FIRE AND RESCUE

500 NORTH MAPLE AVE. PURCELLVILLE, VA 20132

THE TOWN OF PURCELLVILLE LOUDOUN COUNTY, VIRGINIA BLUE RIDGE ELECTION DISTRICT



SCALE: 1" = 1000'

OWNER/APPLICANT:

LOUDOUN COUNTY BOARD OF SUPERVISORS

1 HARRISON ST. 5TH FLOOR P.O BOX 7000 LEESBURG, VIRGINIA 20177-7000 (703) 777-0204

SHEET INDEX

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C-101	LEGEND AND ABBREVIATIONS
C-102 C-103	NOTES & ZONING TABULATION & DETAILS
C-103 C-104	EXISTING CONDITIONS/DEMOLITION PLAN OVERVIEW PLAN
C-105	UTILITY OVERVIEW PLAN
C-106	ENLARGED UTILITY OVERVIEW PLAN
C-107	ENLARGED UTILITY OVERVIEW PLAN
C-108	GRADING PLAN
C-109	GRADING PLAN
C-110	GEOMETRIC LAYOUT PLAN
C-111	GEOMETRIC LAYOUT PLAN
C-112	UTILITY PLAN
C-113	UTILITY PLAN
C-114 C-115	EROSION & SEDIMENT CONTROL PHASE I PLAN EROSION & SEDIMENT CONTROL PHASE I PLAN
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C-118	EROSION & SEDIMENT CONTROL DETAILS
C-119	EROSION & SEDIMENT CONTROL DETAILS & NARRATIVE
C-120	ADEQUATE OUTFALL NARRATIVES & DRAINAGE MAPS
C-121	SWM DETAILS
C-122 C-123	PRE SWM CALCULATIONS POST SWM CALCULATIONS
C-123 C-124	WATER QUALITY CALCULATIONS
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C-126	STORM SEWER PROFILES & COMPUTIONS
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C-134	LANDSCAPE PLAN
C-135	LANDSCAPE DETAILS & CALCULATIONS
C-136	SANITARY SEWAGE PUMP DETAILS
C-137	TOWN WATER DETAILS

TOWN SANITARY DETAILS

SITE PLAN - ELECTRICAL

SITE PLAN - ELECTRICAL

C - 138

E - 001

E - 002

BENCH MARK LOCATION DESCRIPTIONS

DESCRIBED BY COAST AND GEODETIC SURVEY 1942 2.1 MI N FROM PURCELLVILLE. ABOUT 2.1 MILES NORTH ALONG STATE HIGHWAY 17 FROM THE POST OFFICE AT PURCELLVILLE, LOUDOUN COUNTY, AT THE SOUTHWEST CORNER OF A FIELD, 29 FEET EAST OF THE JUNCTION OF A FARM LANE, 5 FEET NORTHEAST OF A FENCE CORNER, AND 1.2 FEET WEST OF A WHITE WOODEN WITNESS POST. A STANDARD DISK, STAMPED X 255 1942 AND SET IN THE TOP OF A CONCRETE

DESCRIBED BY COAST AND GEODETIC SURVEY 1935 8.2 MI W FROM LEESBURG.

8.2 MILES WEST ALONG STATE HIGHWAY 7 FROM THE POST OFFICE AT LEESBURG, LOUDOUN COUNTY, 1.8 MILES WEST OF THE POST OFFICE AT HAMILTON, 75 FEET WEST OF THE RUINS OF AN OLD STONE BUILDING, AT A CULVERT, IN THE EAST END OF THE NORTH CONCRETE HEAD WALL, AND 14 FEET NORTH OF THE CENTER LINE OF THE HIGHWAY. A STANDARD DISK, STAMPED G 90 1935.

DESCRIBED BY COAST AND GEODETIC SURVEY 1942 1.1 MI N FROM PURCELLVILLE.

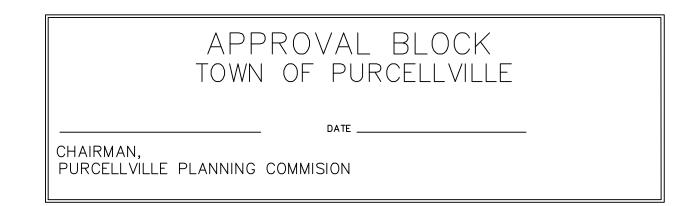
ABOUT 1.1 MILES NORTH ALONG STATE HIGHWAY 17 FROM THE POST OFFICE AT PURCELLVILLE, LOUDOUN COUNTY, 34 FEET EAST OF THE SOUTH RAIL OF THE WASHINGTON AND OLD DOMINION RAILROAD TRACK, 28 FEET SOUTHEAST OF THE CENTER LINE OF THE HIGHWAY, 8.6 FEET EAST OF THE EAST GATEPOST, 2 FEET NORTH OF THE RIGHT-OF-WAY FENCE, AND 0.8 FOOT NORTH OF A WHITE WOODEN WITNESS POST. A STANDARD DISK, STAMPED Y 255 1942 AND SET IN THE TOP OF A CONCRETE POST.

GENERAL SITE AND ZONING DATA

- 1. THE SUBJECT PROPERTY IS LOCATED AT 500 NORTH MAPLE AVE. PURCELLVILLE VIRGINIA AND DESIGNATED AS PARCEL D (MCPI #452-16-6477) OF THE LOUDOUN COUNTY REAL ESTATE ASSESSMENT MAPS.
- 2. THE SUBJECT PROPERTIES CONTAINS 6.05 ACRES SAME MORE OR LESS OF LAND.
- 3. THE SITE IS CURRENTLY ZONED X TRANSITIONAL DISTRICT AND IS BEING ADMINISTERED UNDER THE PURCELLVILLE ZONING ORDINANCE.
- 4. THE FOLLOWING "APPROVED LAND DEVELOPMENT APPLICATIONS" WHICH PRECEDE THIS APPLICATION ARE ASSOCIATED WITH THIS PROJECT: A. VILLAGES OF PURCELLVILLE SUBDIVISION
- B. ANNEXATION NUMBER: ANX06-01 EFFECTIVE DATE: JANUARY 1, 2007
- 5. THE FLOOD PLAIN INFORMATION SHOWN HEREON IS LOCATED IN FLOOD ZONE "X" (AREA DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN PER LOUDOUN COUNTY F.I.R.M. COMMUNITY PANEL 51107C0089 D, DATED JULY 5, 2001.
- 6. WATER AND SEWER UTILITIES ARE TO BE PROVIDED BY THE TOWN OF PURCELLVILLE, VIRGINIA, PER THE WATER AND SEWER AGREEMENT DATED DECEMBER 20, 2006. INSTALLATION OF ALL INFRASTRUCTURE TO CONNECT THE FIRE AND RESCUE STATION TO THE TOWN OF PURCELLVILLE WATER SYSTEM AND SANITARY SEWER SYSTEM SHALL BE DONE BY AND AT THE EXPENSE OF LOUDOUN COUNTY. MAINTENANCE OF THE SANITARY SEWER PUMP STATION AND FORCE MAIN PROPOSED IN THIS SITE PLAN SHALL BE THE RESPONSIBILITY OF LOUDOUN COUNTY.
- 7. ALL CONSTRUCTION SHALL CONFORM TO VDOT AND/OR THE TOWN OF PURCELLVILLE SPECIFICATIONS.
- 8. THE TOWN OF PURCELLVILLE UTILITIES INSPECTION DEPARTMENT SHALL BE CONTACTED FOR A PRE-CONSTRUCTION MEETING PRIOR TO PLACEMENT OF ANY UTILITIES.

CERTIFIED RESPONSIBLE LAND DISTURBER:

THE IDENTITY OF THE "CERTIFIED RESPONSIBLE LAND DISTURBER" WILL BE ANNOUNCED BY THE OWNER OR HIS REPRESENTATIVE AT/OR PRIOR TO THE FIRST REQUIRED COUNTY PRE-CONSTRUCTION MEETING. ALPHA CORPORATION ASSUMES NO RESPONSIBILITY RELATED TO THIS POSITION AND/OR DUTIES RELATED TO SAME.

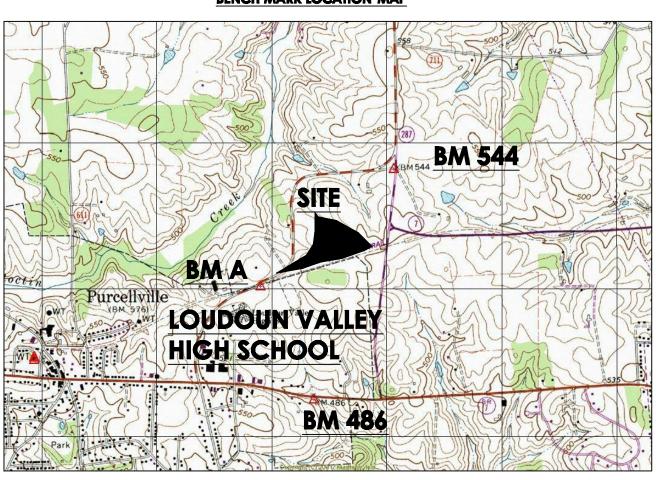


	REVISION BLOCK	
NO.	REVISION DESCRIPTION	DATE
1	TOWN LETTED DATED HINE OF 2007	7 /6 /0-

LAND DEVELOPMENT APPLICATION NUMBER PR-2007-0004-01

	INE VISION DECON	
NO.	REVISION DESCRIPTION	DATE
1	TOWN LETTER DATED JUNE 26 2007	7/6/07
2	TOWN LETTER DATED JULY 11 2007	8/17/07
3	TOWN LETTER DATED SEPTEMBER 12 2007	9/26/07

BENCH MARK LOCATION MAP





ALPHA CORPORATION 21351 Ridgetop Circle, Suite 200 Dulles, Va 20166 (703) 450-0800

EHLERT-BRYAN 1451 Dolley Madison Blvd. Suite 220 Mclean, VA 22101 (703) 827-9552

MECHANICAL/ELECTRICAL: BRINJAC ENGINEERING 4000 Albermarie Street, NW Washington, DC 20016 (202) 237-2750



RES AND

FIRE

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SHEET OVER

KEY PLAN

REVISIONS:

09-26-07 BID SET

STAMP AND SEAL:

SCALE: 09-26-07 AS NOTED PROJECT NO.

C - 100